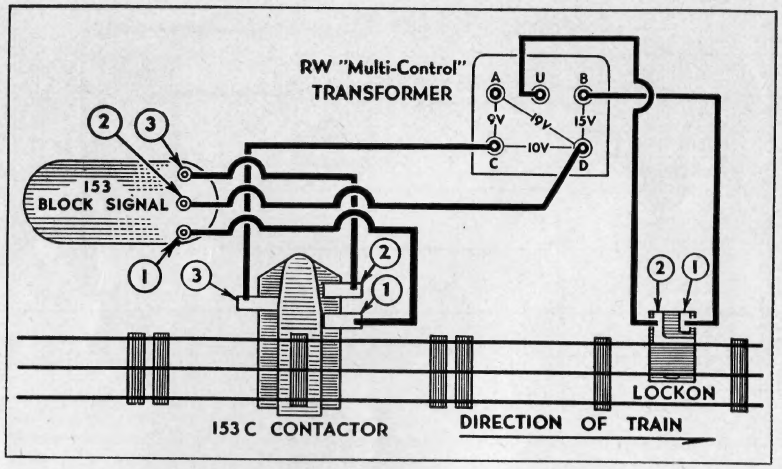

Figure 37—How to Connect No. 153 Block Signal

No. 153C CONTACTOR

No. 153C Contactor, furnished with 153 Block Signal, is very similar to No. 145 contactor and is installed and adjusted in the same way. Note, however, that it has three terminals instead of two so that it can control two electrical circuits, closing one while opening another. In No. 153 Block Signal, which has two separate lamps, the green light goes out and the red goes on as the train passes over the contactor.

Although the diagrams on these pages show a separate contactor for each signal, two signals located in different places in the layout can be connected to the same contactor so that the passage of the train operates both of them simultaneously. Such "parallel" connection, however, is recommended only with the larger transformers.

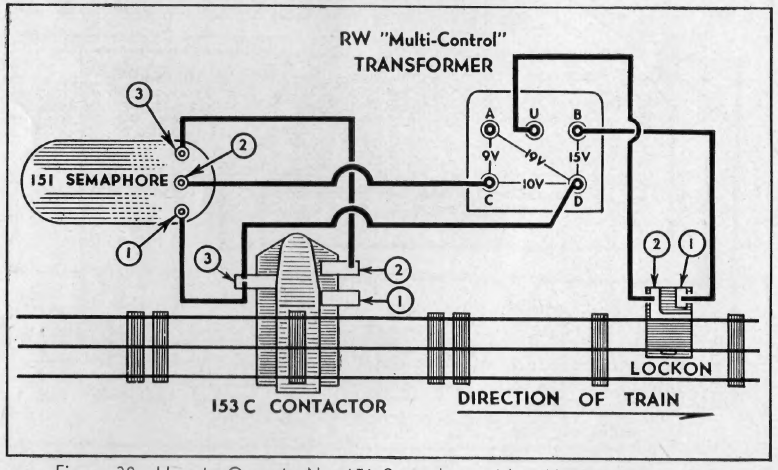

Figure 38—How to Operate No. 151 Semaphore with a No. 153C Contactor

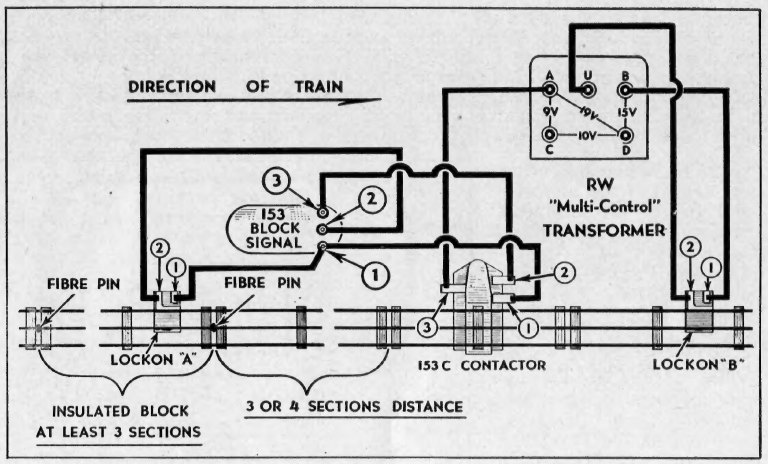

Figure 39—How to Run Two Trains with No. 153 Block Signal

OPERATING TWO TRAINS

By installing an insulated track block and using a 153C contactor to control its power supply, it is possible to operate two trains on the same layout. Usually either a 153 Block Signal or a 151 Semaphore is used with this installation for the sake of realism. Be careful to make all wiring connections exactly as shown. Note particularly that a portion of track at least three sections in length is insulated from the rest of the track by means of fibre pins inserted in the center rails at the ends of the block.

As train No. 1 crosses the contactor, it changes the position of the track signal to indicate "Stop" and at the same time cuts the power out of the insulated block. If train No. 2, running behind the first train, runs onto the insulated block at this time, it stops and waits until the first train passes the

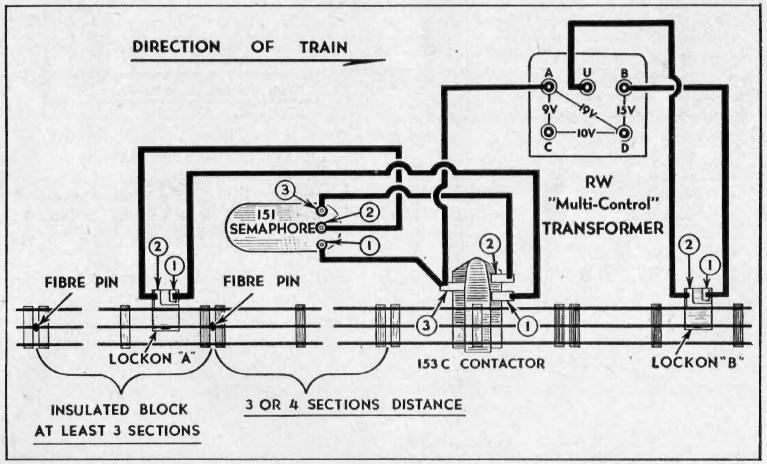

Figure 40—How to Run Two Trains with No. 151 Semaphore